

Supplemental Material

Crystal structures, topological analysis and luminescent properties of three coordination polymers based on a semi rigid ligand and N-donor ligand linkers

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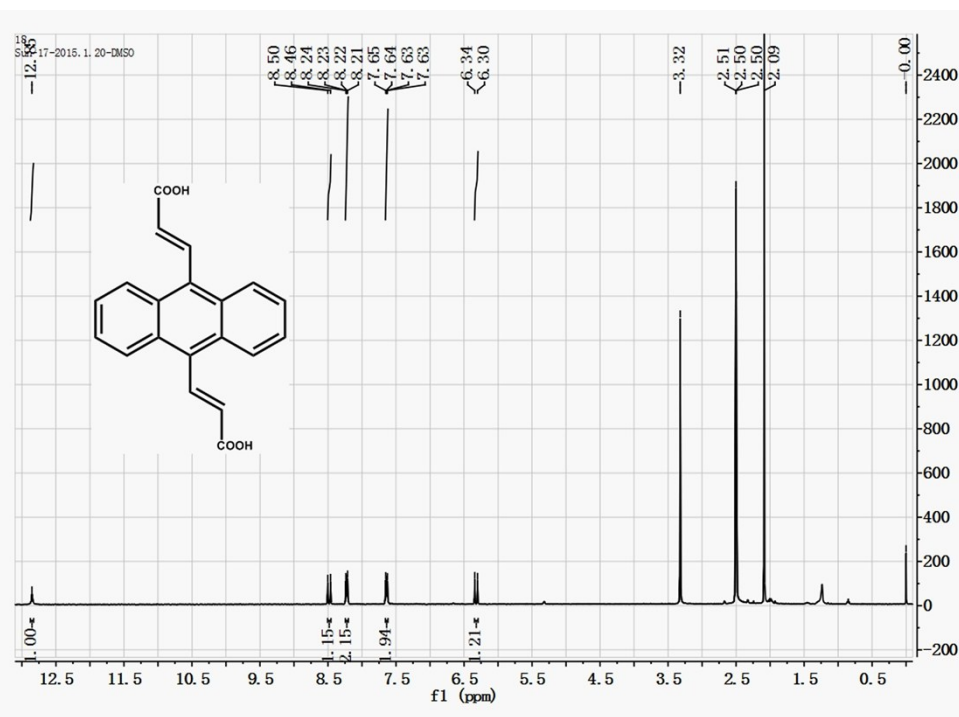


Figure S1 The ^1H NMR spectra of H_2ADDA ligand

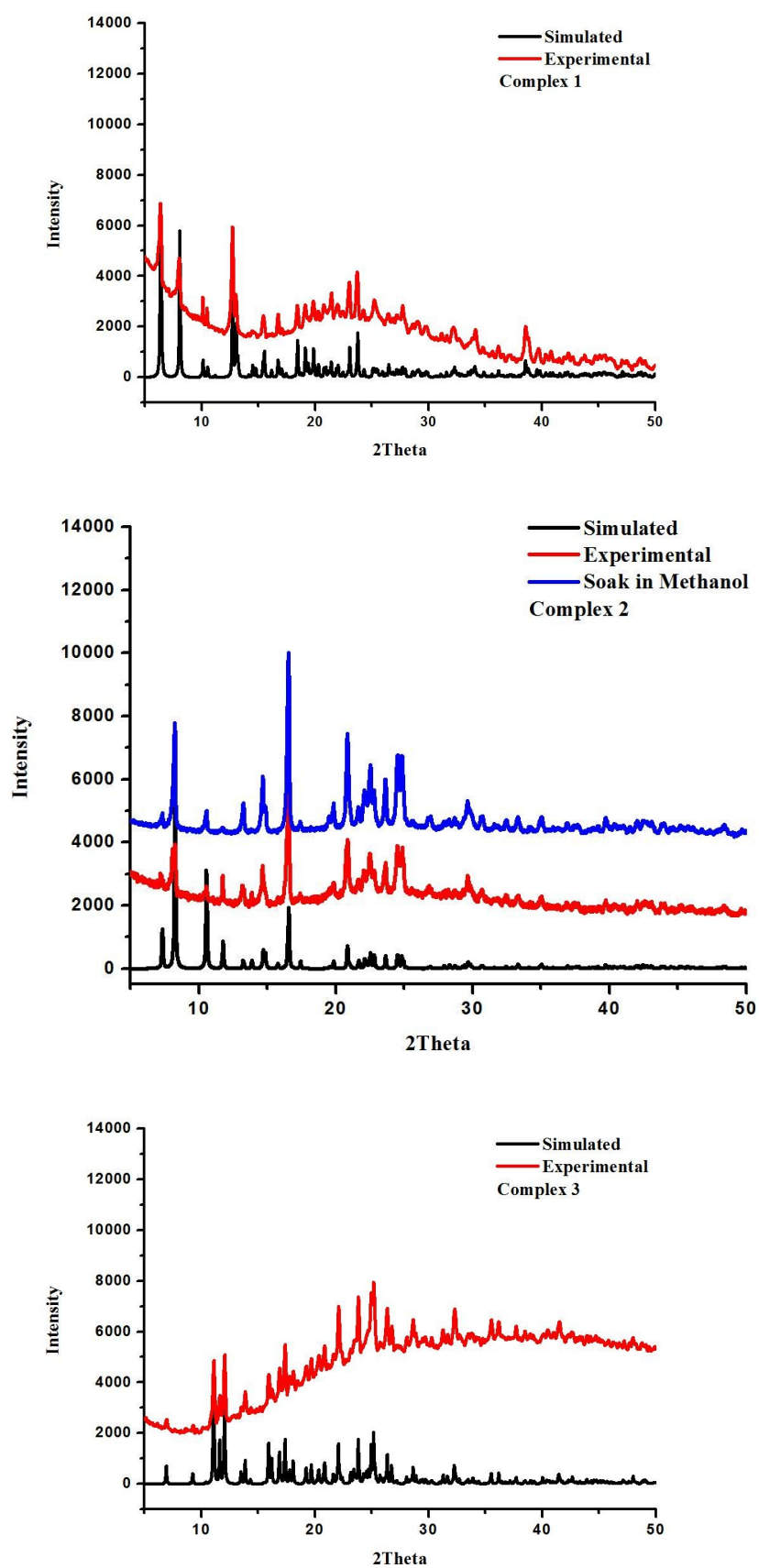


Figure S2: The powder XRD patterns of complexes 1-3.

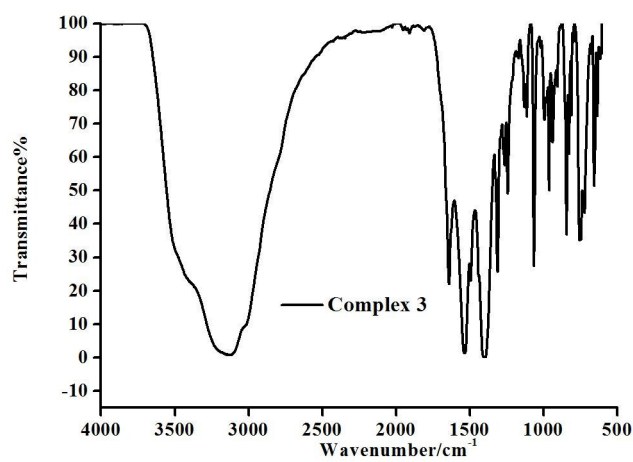
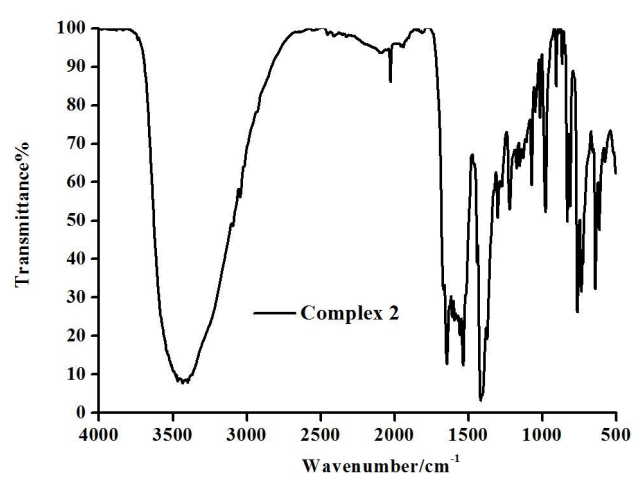
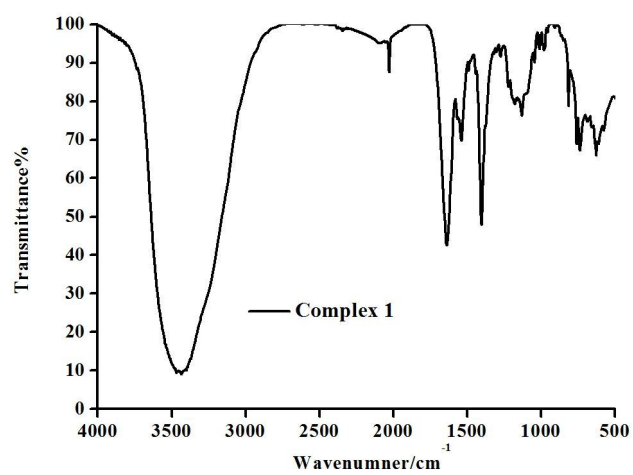


Figure S3: IR spectra of 1-3.

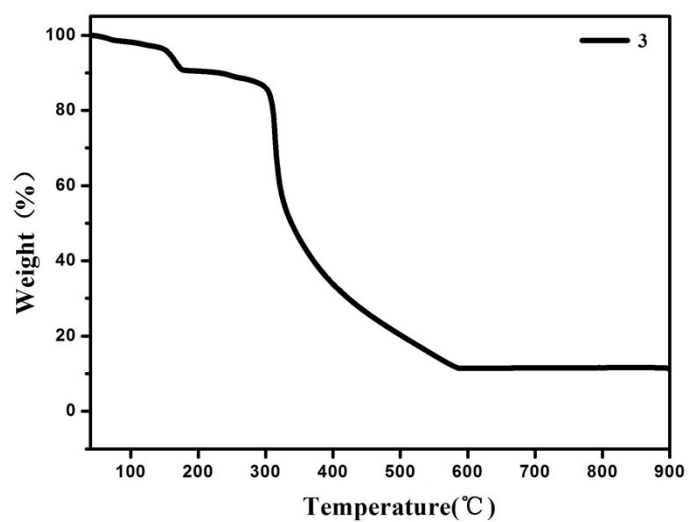
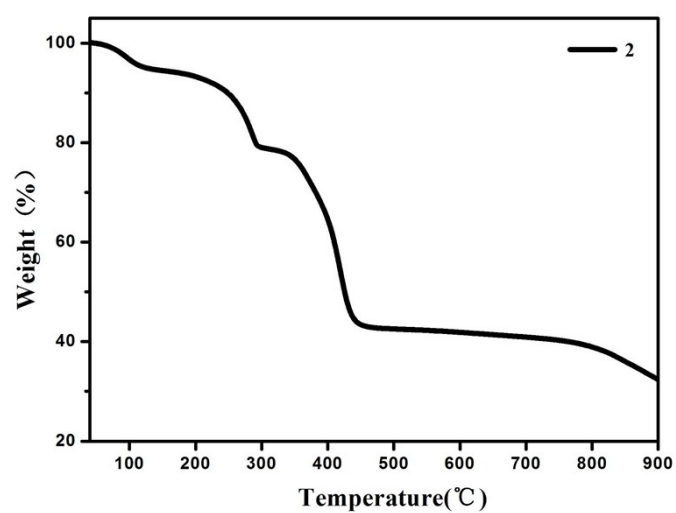
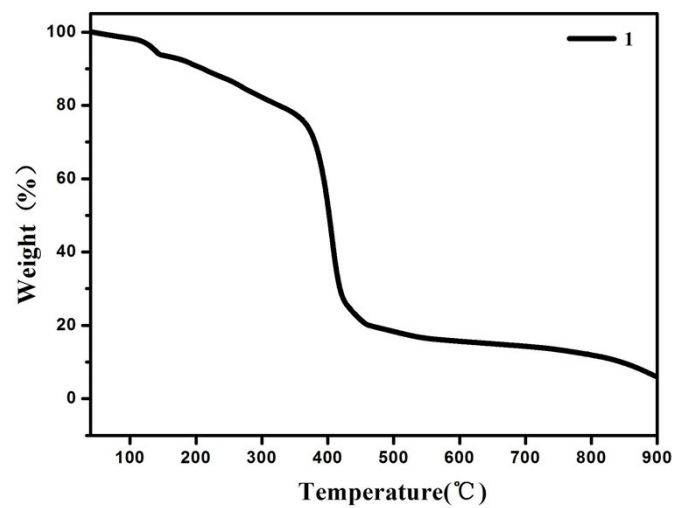


Figure S4: TGA curves for complexes 1-3.

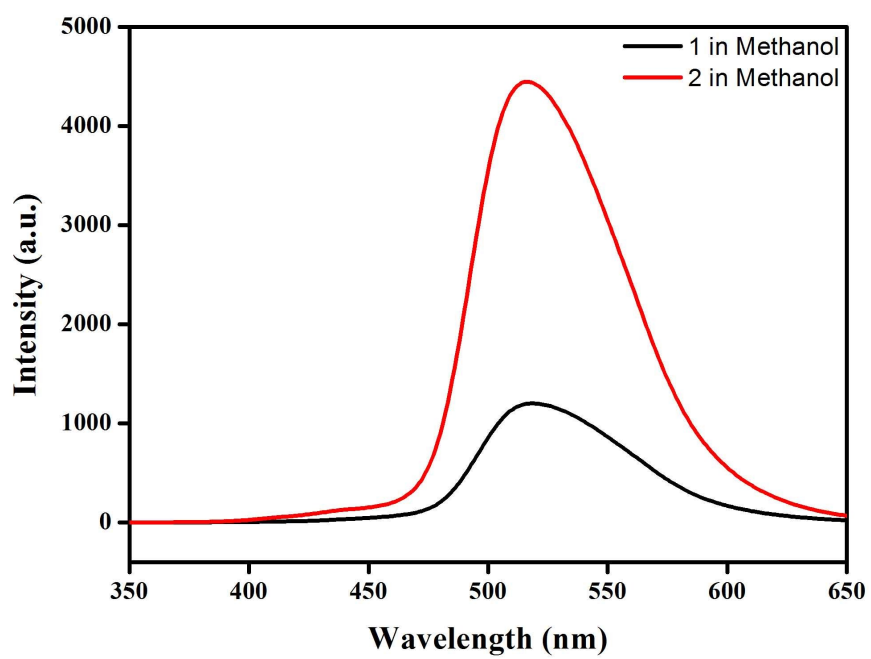


Figure S5: The intensity of **1** and **2** dispersed in MeOH.

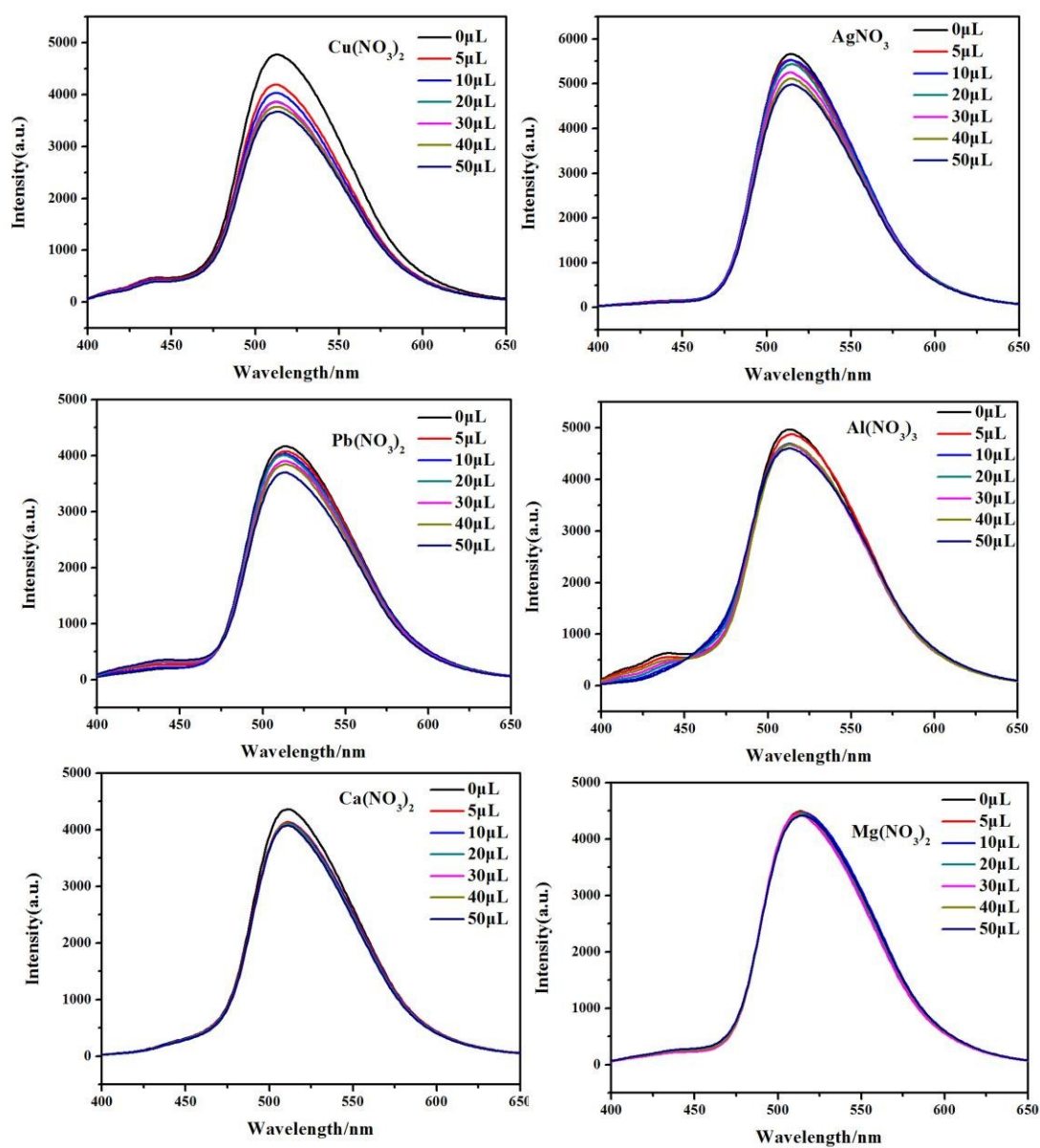


Figure S6: Emission intensity of complex **2** dispersed in MeOH upon incremental addition of $M(\text{NO}_3)_x$ ($M = \text{Cu}^{2+}, \text{Ag}^+, \text{Pd}^{2+}, \text{Al}^{3+}, \text{Ca}^{2+}, \text{Mg}^{2+}$) solution (10 mM) in MeOH.

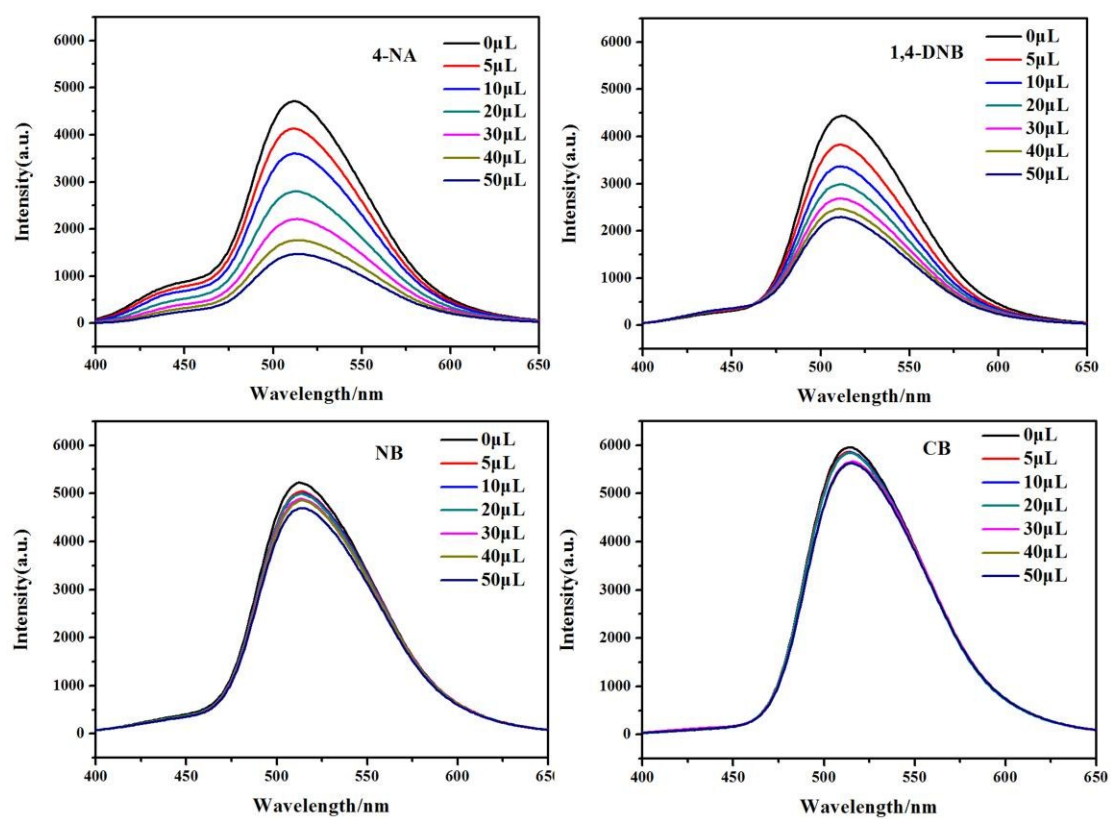


Figure S7: Emission intensity of complex **2** dispersed in MeOH upon incremental addition of solution (10 mM) of aromatic compounds (4-NA, 1,4-DNB, NB and CB) in MeOH.